

In the claims:

1. (currently amended) A flow cell for directed molecular interaction in conjunction with analyte assays comprising:

a fluid path having one or more fluidic conduits;

an analyte detection chamber disposed along the fluid path having at least one interior surface adapted for derivatization; and

a directed molecular interaction bias generator, in fluidic communication with the analyte detection chamber, ~~adapted to generate~~ for generating a bias across the chamber sufficient to move a desired analyte into a region proximate to the interior surface adapted for derivatization.

2. (previously presented) The flow cell of claim 1 wherein the interior surface adapted for derivatization is a surface plasmon resonance detector.

3. (previously presented) The flow cell of claim 2 wherein the surface adapted for derivatization is a surface plasmon resonance layer in optic communication with an integrally formed surface plasmon resonance sensor.

4. (previously presented) The flow cell of claim 3 wherein the bias generator is electrical.

5. (currently amended) The flow cell of claim 4 further comprising a ~~thermister~~ thermistor in fluidic communication with the analyte detection chamber.

6. (previously presented) The flow cell of claim 2 wherein the bias generator is magnetic.

7. (currently amended) The flow cell of claim 6 further comprising a ~~thermister~~
thermistor in fluidic communication with the analyte detection chamber.

8-20 (canceled)